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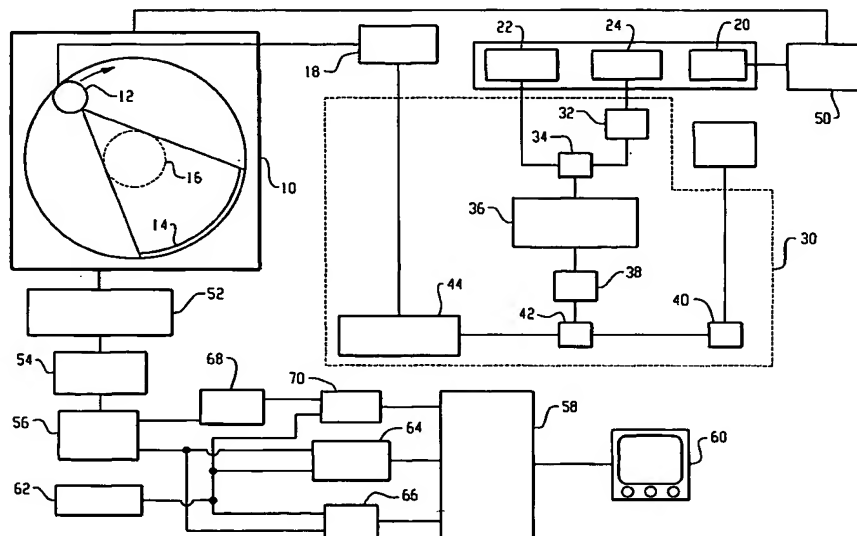
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(57) Abstract: A weight (22) and height (24) of a patient who is to undergo a calcium screening examination in an x-ray diagnostic scanner (10) is used to calculate an appropriate x-ray dose in terms of tube current (mAs) for the calcium screening examination in accordance with the formula:  $mAs = c(BMI)^2$ , where BMI is a patient's body mass index defined as:  $BMI = \text{patient weight} / (\text{patient height})^2$ , and C is a constant selected in accordance with a target required noise. In this manner, patients can be scanned with a minimum dose necessary to achieve the target noise, e.g., 20 HU. The images can be compared with earlier (and subsequent) images that have the same target noise.

**Declaration under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,

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